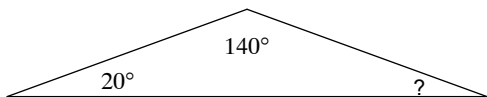


3.1-3.3 Quiz Review: Properties of a Triangle

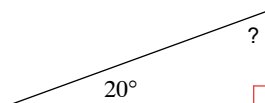
Date _____ Period _____

Find the measure of each angle indicated.

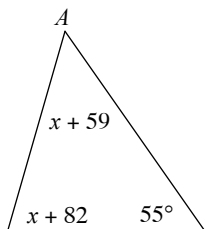
1)



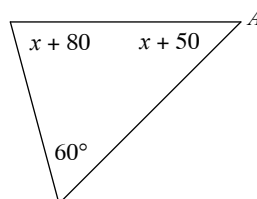
2)

**Justification to remember: The sum of the interior angles of any triangle is 180 degrees.****Find the measure of angle A.**

3)

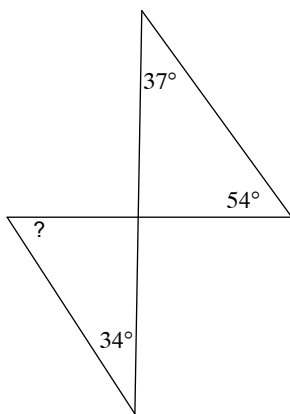


4)

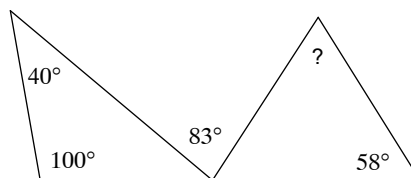
**Justification to remember: The sum of the interior angles of any triangle is 180 degrees.**

Find the measure of each angle indicated.

5)

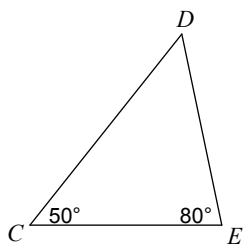


6)

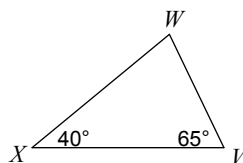


Order the sides of each triangle from shortest to longest.

7)



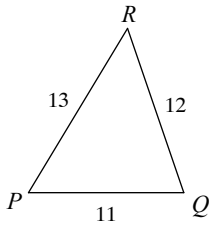
8)



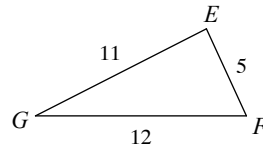
Justification to remember: In a triangle, the largest angle is opposite from the longest side. *Same applies to smallest angle and shortest side.

Name the largest and smallest angle in each triangle.

9)



10)



Justification to remember: In a triangle, the longest side is opposite from the largest angle. *Same applies to shortest side and smallest angle.

State if the three numbers can be the measures of the sides of a triangle.

11) 8, 9, 12

12) 20, 9, 8

Justification to remember: The sum of any two sides of a triangle must be greater than the third side.

Two sides of a triangle have the following measures. Find the range of possible measures for the third side.

13) 9, 10

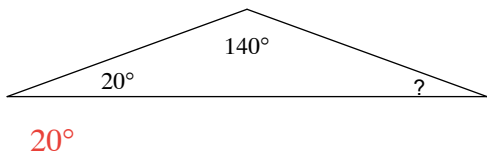
14) 7, 10

3.1-3.3 Quiz Review: Properties of a Triangle

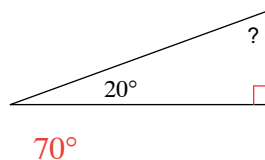
Date _____ Period _____

Find the measure of each angle indicated.

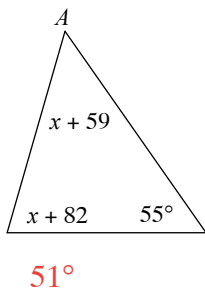
1)



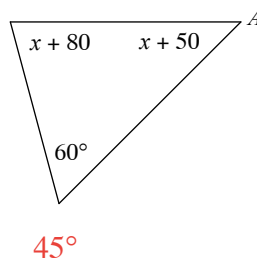
2)

**Find the measure of angle A.**

3)

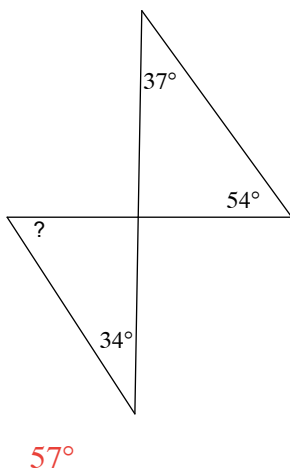


4)

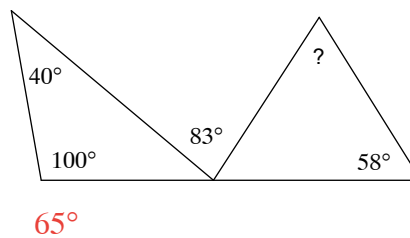


Find the measure of each angle indicated.

5)

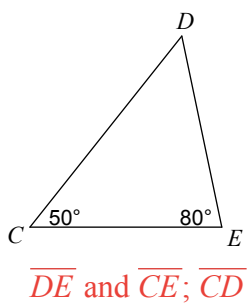


6)

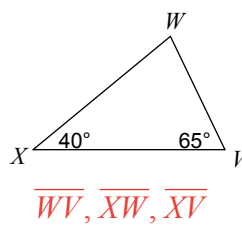


Order the sides of each triangle from shortest to longest.

7)

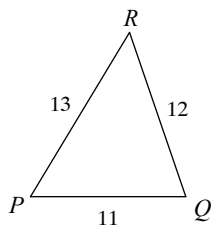


8)



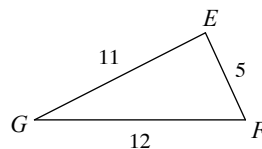
Name the largest and smallest angle in each triangle.

9)



$\angle Q, \angle R$

10)



$\angle E, \angle G$

State if the three numbers can be the measures of the sides of a triangle.

11) 8, 9, 12

Yes

12) 20, 9, 8

No

Two sides of a triangle have the following measures. Find the range of possible measures for the third side.

13) 9, 10

$1 < x < 19$

14) 7, 10

$3 < x < 17$